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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/840,669B

DATE: 06/17/2002
TIME: 13:48:54

Input Set : A:\A-690.ST25.txt
Output Set: N:\CRF3\06172002\I840669B.raw

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      3 <110> APPLICANT: KOHNO, TADAHIKO
      5 <120> TITLE OF INVENTION: APO-AI/AII PEPTIDE DERIVATIVES
      7 <130> FILE REFERENCE: A-690
      9 <140> CURRENT APPLICATION NUMBER: 09/840,669B
C--> 10 <141> CURRENT FILING DATE: 2002-06-07
     12 <150> PRIOR APPLICATION NUMBER: 60/198,920
     13 <151> PRIOR FILING DATE: 2000-04-21
     15 <160> NUMBER OF SEQ ID NOS: 11
     17 <170> SOFTWARE: PatentIn version 3.1
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 684
     21 <212> TYPE: DNA
     22 <213> ORGANISM: Homo sapiens
     24 <220> FEATURE:
     25 <221> NAME/KEY: CDS
     26 <222> LOCATION: (1)..(684)
     27 <223> OTHER INFORMATION:
     30 <400> SEQUENCE: 1
     31 atg gac aaa act cac aca tgt cca cct tgt cca gct ccg gaa ctc ctg      48
     32 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
     33 1               5                  10                  15
     35 ggg gga ccg tca gtc ttc ctc ttc ccc cca aaa ccc aag gac acc ctc      96
     36 Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
     37             20                  25                  30
     39 atg atc tcc cgg acc cct gag gtc aca tgc gtg gtg gtg gac gtg agc     144
     40 Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
     41         35                  40                  45
     43 cac gaa gac cct gag gtc aag ttc aac tgg tac gtg gac ggc gtg gag     192
     44 His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
     45     50                  55                  60
     47 gtg cat aat gcc aag aca aag ccg cgg gag gag cag tac aac agc acg     240
     48 Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
     49 65                  70                  75                  80
     51 tac cgt gtg gtc agc gtc ctc acc gtc ctg cac cag gac tgg ctg aat     288
     52 Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
     53                 85                  90                  95
     55 ggc aag gag tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc ccc     336
     56 Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
     57             100                 105                 110
     59 atc gag aaa acc atc tcc aaa gcc aaa ggg cag ccc cga gaa cca cag     384
     60 Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
     61         115                 120                 125
     63 gtg tac acc ctg ccc cca tcc cgg gat gag ctg acc aag aac cag gtc     432
```

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```
64 Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
65     130                 135                 140
67 agc ctg acc tgc ctg gtc aaa ggc ttc tat ccc agc gac atc gcc gtg      480
68 Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
69 145                 150                 155                 160
71 gag tgg gag agc aat ggg cag ccg gag aac aac tac aag acc acg cct      528
72 Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
73                 165                 170                 175
75 ccc gtg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc      576
76 Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
77             180                 185                 190
79 gtg gac aag agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg      624
80 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
81         195                 200                 205
83 atg cat gag gct ctg cac aac cac tac acg cag aag agc ctc tcc ctg      672
84 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
85     210                 215                 220
87 tct ccg ggt aaa                                                    684
88 Ser Pro Gly Lys
89 225
92 <210> SEQ ID NO: 2
93 <211> LENGTH: 228
94 <212> TYPE: PRT
95 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 2
99 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu
100 1               5                  10                  15
103 Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
104             20                  25                  30
107 Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
108         35                  40                  45
111 His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu
112     50                  55                  60
115 Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr
116 65                  70                  75                  80
119 Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
120                 85                  90                  95
123 Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro
124             100                 105                 110
127 Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln
128         115                 120                 125
131 Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
132     130                 135                 140
135 Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
136 145                 150                 155                 160
139 Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
140                 165                 170                 175
143 Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
144             180                 185                 190
```

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PATENT APPLICATION: US/09/840,669B TIME: 13:48:54

Input Set : A:\A-690.ST25.txt
Output Set: N:\CRF3\06172002\I840669B.raw

```
147 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
148         195                 200                 205
151 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
152     210                 215                 220
155 Ser Pro Gly Lys
156 225
159 <210> SEQ ID NO: 3
160 <211> LENGTH: 8
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Preferred linker
167 <400> SEQUENCE: 3
169 Gly Gly Gly Lys Gly Gly Gly Gly
170 1               5
173 <210> SEQ ID NO: 4
174 <211> LENGTH: 7
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Preferred linker
181 <400> SEQUENCE: 4
183 Gly Gly Asn Gly Ser Gly Gly
184 1               5
187 <210> SEQ ID NO: 5
188 <211> LENGTH: 8
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Preferred linker
195 <400> SEQUENCE: 5
197 Gly Gly Gly Cys Gly Gly Gly Gly
198 1               5
201 <210> SEQ ID NO: 6
202 <211> LENGTH: 5
203 <212> TYPE: PRT
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Preferred linker
209 <400> SEQUENCE: 6
211 Gly Pro Asn Gly Gly
212 1               5
215 <210> SEQ ID NO: 7
216 <211> LENGTH: 18
217 <212> TYPE: PRT
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 7
222 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
223 1               5                   10                  15
```

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PATENT APPLICATION: US/09/840,669B TIME: 13:48:55

Input Set : A:\A-690.ST25.txt
Output Set: N:\CRF3\06172002\I840669B.raw

```
     226 Ala Phe
     230 <210> SEQ ID NO: 8
     231 <211> LENGTH: 18
     232 <212> TYPE: PRT
     233 <213> ORGANISM: Artificial Sequence
     235 <220> FEATURE:
     236 <223> OTHER INFORMATION: Preferred embodiments
     238 <220> FEATURE:
     239 <221> NAME/KEY: misc_feature
     240 <222> LOCATION: (18)..(18)
     241 <223> OTHER INFORMATION: Fc domain attached at Position 18 through an optional linker
     244 <400> SEQUENCE: 8
     246 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
     247 1               5                   10                  15
     250 Ala Phe
     254 <210> SEQ ID NO: 9
     255 <211> LENGTH: 18
     256 <212> TYPE: PRT
     257 <213> ORGANISM: Artificial Sequence
     259 <220> FEATURE:
     260 <223> OTHER INFORMATION: Preferred embodiments
     262 <220> FEATURE:
     263 <221> NAME/KEY: misc_feature
     264 <222> LOCATION: (1)..(1)
     265 <223> OTHER INFORMATION: Fc domain attached through optional linker
     268 <400> SEQUENCE: 9
     270 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
     271 1               5                   10                  15
     274 Ala Phe
     278 <210> SEQ ID NO: 10
     279 <211> LENGTH: 18
     280 <212> TYPE: PRT
     281 <213> ORGANISM: Artificial Sequence
     283 <220> FEATURE:
     284 <223> OTHER INFORMATION: Preferred embodiments
     286 <220> FEATURE:
     287 <221> NAME/KEY: misc_feature
     288 <222> LOCATION: (18)..(18)
     289 <223> OTHER INFORMATION: Attached by optional linker to identical sequence, which is
attac
     290       hed by optional linker to an Fc domain
     293 <400> SEQUENCE: 10
     295 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
     296 1               5                   10                  15
     299 Ala Phe
     303 <210> SEQ ID NO: 11
     304 <211> LENGTH: 18
     305 <212> TYPE: PRT
     306 <213> ORGANISM: Artificial Sequence
     308 <220> FEATURE:
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RAW SEQUENCE LISTING DATE: 06/17/2002
PATENT APPLICATION: **US/09/840,669B** TIME: 13:48:55

Input Set : **A:\A-690.ST25.txt**
Output Set: **N:\CRF3\06172002\I840669B.raw**

309 <223> OTHER INFORMATION: Preferred embodiments
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (1)..(1)
314 <223> OTHER INFORMATION: Attached by optional linker to Fc domain at the N-terminus.
318 <220> FEATURE:
319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (18)..(18)
321 <223> OTHER INFORMATION: Attached by optional linker to an identical sequence
324 <400> SEQUENCE: 11
326 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
327 1 5 10 15
330 Ala Phe

VERIFICATION SUMMARY DATE: 06/17/2002
PATENT APPLICATION: **US/09/840,669B** TIME: 13:48:56

Input Set : **A:\A-690.ST25.txt**
Output Set: **N:\CRF3\06172002\I840669B.raw**

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date